

IN THE CLAIMS

Please amend Claims 1, 4, 5, 6, 11, 12, and 14 to read as follows:

1. (Amended) An ink-drop generator for an inkjet printer in which an inkjet is sprayed in drops, said generator particularly comprising:

- a generator body,
- at least one acoustic wave generator with a body elongated in an axial direction to the inkjet, each generator having a vibrating surface perpendicular the axial direction of the jets, at least one section comprising the vibrating surface of each acoustic generator being housed in a housing of the drop-generator body,
- at least one resonance cavity intended to contain ink, a first section only of each cavity possibly being constituted in a main section of said generator body and, in this configuration, a second section in a continuation of said generator body connected to be leaktight to the generator body, each cavity having an ink feed, each cavity being defined particularly by a nozzle plate and a wall, the intersection of the wall and the nozzle plate defining a first plane contour line of the wall, the nozzle plate comprising a plurality of nozzles aligned along an axial direction of the nozzles perpendicular to the axial direction of the jets, the axial direction of the jets and the axial direction of the nozzles defining a plane of the jets,
- a generator characterized in that the wall of each resonance cavity is perpendicular to said nozzle plate, the first contour line being formed by two equal segments that are parallel to one another and the axial direction of the nozzles, each segment having two ends: a first and a second end, the two first ends of each segment being connected by a first curved line and the two second ends of each segment being connected by a second curved line.

A2
4. (Amended) Generator of claim 1 characterized in that the largest measurement of the first contour of the cavity lies along the axial direction of the nozzles, the distance between the two segments being approximately 1/4 and the height of the wall being between 1/2 and 31/4.

5. (Amended) Drop generator of claim 4 characterized in that the acoustic-wave generator has a circular, transverse cross-section the diameter of which is between 1/2 and 31/4.

6. (Amended) Generator of claim 5 characterized in that one part of the acoustic-wave generator housing has an opening having a cross-section the length of which is more or less equal to 1/2.

11. (Amended) Generator of claim 1 characterized in that one of the ink-feed apertures is located at one end and the other at a second end of a segment of the cavity, and an ink outlet opening in the body housing is located at a top of the cavity.

A3
12. (Amended) Generator of claim 1 characterized in that the nozzles of the cavity are equidistant and that the distance between an end nozzle and of an end cavity of the body and a section of the external wall of the body located at the intersection of said wall with the jet plane is shorter than half the distance between two consecutive nozzles of the nozzle plate.

A4
14. (Amended) Generator of claim 13 characterized in that it is equipped with positioning means aligned parallel to the axial direction of the nozzles.